RAW SEQUENCE LISTING
ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH

FY

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/673,994_

Source: _PCT/09_

Date Processed by STIC: _2/13/2002_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
 PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
 PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
        http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , EFS Submission **User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
           Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: _09/673,994_

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1 _____ Wrapped Nucleics
Wrapped Aminos

The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2 _____ Invalid Line Length

The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino
Numbering

The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.

4 _____ Non-ASCII

The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length

Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0
"bug"

A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.

7 _____ Skipped Sequences
(OLD RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences
(NEW RULES)

Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
<210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's
(NEW RULES)

Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10 _____ Invalid <213>
Response

Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence

11 _____ Use of <220>

Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0
"bug"

Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n

n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

PCT09

RAW SEQUENCE LISTING   DATE: 02/13/2002
PATENT APPLICATION: US/09/673,994   TIME: 07:45:38

Input Set : A:\B08017197.txt
Output Set: N:\CRF3\02132002\I673994.raw

Does Not Comply
Corrected Diskette Needed

pp 1-2, 4-6

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 3 <110> APPLICANT: Chen, Yuqing E.
 4         Tamura, Koichi
 5         Horiuchi, Masatsugu
 6         Dzau, Victor J.
 8 <120> TITLE OF INVENTION: CNRE Binding Factors and Uses Thereof
10 <130> FILE REFERENCE: B0801/7197/ERG/KA
12 <140> CURRENT APPLICATION NUMBER: US 09/673994
13 <141> CURRENT FILING DATE: 2000-10-24
15 <150> PRIOR APPLICATION NUMBER: US 60/082,997
16 <151> PRIOR FILING DATE: 1998-04-24
18 <150> PRIOR APPLICATION NUMBER: PCT/US99/08502
19 <151> PRIOR FILING DATE: 1999-04-23
21 <160> NUMBER OF SEQ ID NOS: 23
23 <170> SOFTWARE: FastSEQ for Windows Version 3.0
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ERRORED SEQUENCES

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pp 1-2

) see item 9 on Error Summary Sheet


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RAW SEQUENCE LISTING   DATE: 02/13/2002
PATENT APPLICATION: US/09/673,994   TIME: 07:45:38

Input Set : A:\B08017197.txt
Output Set: N:\CRF3\02132002\I673994.raw

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387  Val Gln Leu Leu Ile Gly Trp Leu Ala Ala His His Asn His Phe Leu
388               20                  25                  30
389  Val Met Leu Arg Leu Arg Ser Gly Cys Thr Ala His Glu Leu Arg Ile
390           35                  40                  45
391  Pro Cys Cys Ser Ala Val Ala Glu Ala Glu Ala Gly Thr Glu Val Pro
392       50                  55                  60
393  Ala Gly Leu Arg Arg Gly Val Gly Gly Ser Met Asn Gly Ser Gly Gly
394  65               70                  75                  80
395  Gly Gly Gly Ser Asp Leu Ser Trp Ile Pro Gly Pro Gly Gln Gly Leu
396               85                  90                  95
397  Pro Arg Ala Arg Thr Val Tyr Gly Gly Gly Ser Trp Ile Leu Arg Ala
398               100                 105                 110
399  Arg Thr Asp Gly Arg Ala Glu Leu Gly Gly Ala Gly Pro Gly Gly Leu
400               115                 120                 125
401  Gly Pro Glu Ala Arg Arg Ala Gly Ala Gly His Asp Ala Pro Lys Glu
402           130                 135                 140
403  Ala Lys Pro Ser Thr Ala Arg Glu Met Arg Gly Gly Gln Arg Ser Gly
404  145                 150                 155                 160
405  Val Arg Gly Leu Glu Pro Gly Gly Thr Gly Val Gly Ser Val Glu Trp
406               165                 170                 175
407  Ala Gln Val Arg Val Glu Gly Asp Ser Ser Gly Leu Gly Ala Asp Asp
408               180                 185                 190
409  Leu Gly Ser Ser Leu Leu Thr Arg Val Leu Lys Glu Pro Glu Gly His
410               195                 200                 205
411  Arg Val Arg Glu Val Gln Phe Thr Thr Ala Gly Ser Leu Val Arg Ile
412           210                 215                 220
413  Met Gly Thr Ala Trp Glu Gly Asp Ser Thr Ser Thr Leu Pro Ser Leu
414  225                 230                 235                 240
415  Val Asp Thr Glu Asp Ser Phe Asp Glu Gly Pro Gly Ala Leu Val Leu
416               245                 250                 255
417  Glu Ser Asp Leu Leu Leu Gly Gln Asp Leu Glu Phe Glu Glu Glu Glu
418               260                 265                 270
419  Glu Glu Asp Glu Gly Asp Gly His Asn Asp Gln Leu Met Gly Phe Glu
420           275                 280                 285
421  Arg Asp Ser Glu Gly Asp Ser Gln Gly Ala Arg Pro Gly Leu Pro Tyr
422       290                 295                 300
423  Gly Leu Ser Asp Asp Glu Ser Gly Gly Gly Arg Ala Leu Ser Ala Glu
424  305                 310                 315                 320
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426               325                 330                 335
427  Arg Pro Gly Pro Ala Cys Gln Leu Cys Gly Gly Pro Thr Gly Glu Gly
428           340                 345                 350
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430           355                 360                 365
431  Arg Leu Leu Tyr Ser Cys Arg Leu Cys Ala Phe Val Ser His Tyr Ser
432           370                 375                 380
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RAW SEQUENCE LISTING   DATE: 02/13/2002
PATENT APPLICATION: US/09/673,994   TIME: 07:45:38

Input Set : A:\B08017197.txt
Output Set: N:\CRF3\02132002\I673994.raw

see → item 9

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433    Ser His Leu Lys Arg His Met Gln Thr His Ser Gly Glu Lys Pro Phe
434    385                     390             395                 400
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436                    405             410                 415
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440                    435             440             445
441    Thr His Thr Gly Pro Pro Thr Pro Pro Cys Pro Thr Cys Gly Phe Arg
442        450             455             460
443    Cys Cys Ala Pro Arg Pro Thr Arg Pro Pro Ser Pro Thr Glu Gln Glu
444    465             470             475                 480
445    Gly Thr Met Pro Arg Arg Ser Glu Asn Ala Leu Ile Leu Pro Asp Leu
446                    485             490                 495
447    Ser Leu His Val Pro Pro Gly Gly Ala Ser Phe Leu Pro Asp Cys Gly
448                    500             505             510
449    Gln Leu Arg Gly Glu Gly Glu Ser Leu Cys Gly Thr Gly Ser Glu Pro
450                    515             520             525
451    Leu Pro Glu Leu Leu Phe Pro Trp Thr Cys Arg Gly Cys Gly Gln Glu
452        530             535             540
453    Leu Glu Glu Gly Glu Gly Ser Arg Leu Gly Ala Ala Met Cys Gly Arg
454    545             550             555                 560
455    Cys Met Arg Gly Glu Ala Gly Gly Val Ala Thr Gly Gly Pro Gln Gly
456                    565             570             575
457    Pro Gly Asp Lys Gly Phe Ala Cys Ser Leu Cys Pro Phe Ala Thr His
458                    580             585             590
459    Tyr Pro Asn His Leu Ala Arg His Met Lys Thr His Ser Gly Glu Lys
460        595             600             605
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462        610             615             620
463    Leu Lys Arg His Gln Arg Val His Thr Gly Glu Lys Pro Tyr Lys Cys
464    625             630             635                 640
465    Pro Leu Cys Pro Tyr Ala Cys Gly Asn Leu Ala Asn Leu Lys Arg His
466                    645             650             655
467    Gly Arg Ile His Ser Gly Asp Lys Pro Phe Arg Cys Ser Leu Cys Asn
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473    His Trp Asp Asn Tyr Lys Arg His Gln Lys Val His Gly His Gly Gly
474    705             710             715                 720
475    Ala Gly Gly Pro Gly Leu Ser Ala Pro Glu Gly Trp Ala Pro Pro His
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      520  cccctctgtc cgtatgcctg tggcaacctg gccaacctca agcgtcatgg tcgcatccac  1980
      521  tctggtgaca aaccttttcg gtgtagcctt tgcaactaca gctgcaacca gagtatgaac  2040
      522  ctcaaacgtc atatgctgcg acacacgggc gagaagccct tccgctgtgc cacctgcgcc  2100
      523  tataccacag gccactggga caactacaag cgtcatcaga aggtgcatgg ccatggtgga  2160
      524  gcaggagggc ctggtctctc tgcccctgag ggctgggccc cacctcatag cccaccctct  2220
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      526  gactcacct                                                         2289
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      609 <213> ORGANISM: Mus musculus
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      612  ggcctttagt ctgaaaaagt gttgcttgaa agtgtacaac agagagcggg tgcaagcggc    60
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       614  aaatcagaac taccagtcct tccctccaac acaacagagc acaggcacag aaccgatagt    180
       615  cgatgagccc aaggagagta aggaggctta agaggacagc agagcctccc aggctgccgc    240
       616  gtggggggggg tggggggccc tctttgtaat gggctgagga aagccaccca gccccctgca    300
       617  cacctcatac ccactgctaa ggctaaagga caaggacaaa actcagtctc gggtccaagg    360
       618  gctcagaaaa cagtccacat gggcagggtc cggttgacca ctagtccctc ttggccttct    420
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E-->   620  tcttgccant ctctgcctga agctctactg tgtttcgggg cttgaagcaa atgatgatgc    540
       621  acgtcatgtt gtcacaccct gtaccatccc cagaagtgtc t                        581
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       625  <212> TYPE: DNA
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       629  gcttttgttt ggcctttagt ctgaaaaagt gttgcttgaa agtgtacaac agagagcggg     60
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       631  cacagagtaa aaatcagaac taccagtcct tccctccaac acaacagagc acaggcacag    180
       632  aaccgatagt cgatgagccc aaggagagta aggaggctta agaggacagc agagcctccc    240
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       634  gccccctgca cacctcatac ccactgctaa ggctaaagga caaggacaaa actcagtctc    360
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E-->   637  agtgcctcct ccagtttcct cttgccactc ttctgnctga agtctactgt gtttcgggan    540
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VERIFICATION SUMMARY   DATE: 02/13/2002
PATENT APPLICATION: US/09/673,994   TIME: 07:45:39

.Input Set : A:\B08017197.txt
Output Set: N:\CRF3\02132002\I673994.raw

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M:340 Repeated in SeqNo=7
L:435 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:8
L:508 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:9
L:620 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:15
L:637 M:340 E: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:16
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